

Title (en)  
VECTORIAL PHOTSENSOR

Title (de)  
VEKTORIELLER PHOTENSOR

Title (fr)  
PHOTOSENSEUR VECTORIEL

Publication  
**EP 0930512 B1 20020626 (EN)**

Application  
**EP 97940158 A 19970910**

Priority  
• ES 9700219 W 19970910  
• ES 9601946 A 19960913

Abstract (en)  
[origin: EP0930512A1] System intended to determine the orientation in the space of a body integral with a photoreceiver, comprised of three photosensors (3) which receive light from a photoemitter (1), which provides through an electronic calculation subsystem to determine the direction (5) of the incident radiation (2). The integration of the photosensors into a CMOS circuit is one form of execution of a photosensor surface having a vectorial character and capable of determining the intensity and direction of the radiation arriving from the photoemitter. Its object is to access information and control systems by using the movement of the user's head. The vectorial photosensor senses the movements of the body and uses said information to establish the position of the pointer and execute actions in information and control systems. Other alternatives of the system make it possible to determine the position and orientation, in elevation and azimuth, of a body in the space. <IMAGE>

IPC 1-7  
**G01S 3/784**; **G01B 11/03**; **G06K 11/08**

IPC 8 full level  
**G01B 11/03** (2006.01); **G01S 3/783** (2006.01); **G01S 5/16** (2006.01); **G06F 3/00** (2006.01); **G06F 3/01** (2006.01); **G06F 3/0346** (2013.01); **G06F 3/042** (2006.01)

CPC (source: EP US)  
**G01S 3/783** (2013.01 - EP US); **G01S 5/163** (2013.01 - EP US); **G06F 3/011** (2013.01 - EP US); **G06F 3/0325** (2013.01 - EP US); **G06F 3/0346** (2013.01 - EP US)

Cited by  
EP1521165A3; CN105225247A; EP1460448A3; US6987257B2; WO2004070397A3; WO03063070A3; US7414596B2; US9752930B2; WO2014091340A1

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